

Jackson County

Estimated Economic Contribution of Agriculture, Food, and Food Processing Sectors 6/26/2019

Using the most recent IMPLAN data available (2017) adjusted for 2019, 17 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Jackson County economy.¹

These 17 sectors have a total direct output of approximately **\$203.9 million** and support **1,191 jobs** in Jackson County. Running the model for all 17 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Jackson County Economy					
Contribution Type ²	Employment	% Employment	Total Value Added ³	Total Value Added % of Gross Regional Product ⁴	Output ⁵
Direct Effect	1190.9	17.42%	\$51,712,214	12.13%	\$203,947,690
Indirect Effect	103.6	1.52%	\$6,550,023	1.54%	\$14,900,230
Induced Effect	43.8	0.64%	\$3,105,953	0.73%	\$5,883,064
Total Effect	1338.3	19.58%	\$61,368,190	14.40%	\$224,730,984

As shown in the above table, agriculture, food, and food processing sectors support **1,338 jobs**, or **19.58%** of the entire workforce in the county.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of GRP. Total value added by the 17 agriculture, food, and food processing sectors is approximately **\$61.4 million**, or **14.40% of the GRP**.

The following tables document the top industries affected by employment and output, as well as a listing of all industries that were analyzed.

¹ Article on building a contribution analysis in IMPLAN that avoids double counting:

http://www.implan.com/index.php?option=com_content&view=article&id=660%3A660&catid=253%3AKB33&Itemid=70

² Direct, indirect, and induced effects sum together to estimate the total economic contribution in the state. **Direct effects** capture the contribution from agricultural and food products. **Indirect effects** capture the economic benefit from farms and agricultural businesses purchasing inputs from supporting industries within the state. **Induced effects** capture the benefits created when employees of farms, agricultural businesses, and the supporting industries spend their wages on goods and services within the state.

³ Value added = labor income + indirect business taxes + other property type income.

⁴ GRP = final demand of households + governments expenditures + capital + exports - imports - institutional sales.

⁵ Output = intermediate inputs + value added.

In the top ten agriculture, food, and food processing sectors by employment, the beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming sector is the top employer with **684 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Jackson County.

Top Ten Agriculture, Food, and Food Processing Sectors by Employment		
Sector	Total Employment	Total Output
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	683.6	\$49,384,149
All other crop farming	182.1	\$9,096,332
Animal, except poultry, slaughtering	152.5	\$105,366,787
Landscape and horticultural services	49.1	\$1,803,666
Grain farming	36.8	\$8,545,561
Truck transportation	22.9	\$2,908,407
Oilseed farming	22.2	\$14,973,738
Veterinary services	18.2	\$1,508,253
Wholesale trade	16.7	\$2,987,017
Other local government enterprises	13.9	\$3,733,162

The animal, except poultry, slaughtering sector directly contributes approximately **\$105.4 million** to the Jackson County economy. The table below also shows the amount of revenue that is generated in other industries by having a strong agriculture industry.

Top Ten Agriculture, Food, and Food Processing Sectors by Output		
Sector	Total Employment	Total Output
Animal, except poultry, slaughtering	152.5	\$105,366,787
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	683.6	\$49,384,149
Oilseed farming	22.2	\$14,973,738
All other crop farming	182.1	\$9,096,332
Grain farming	36.8	\$8,545,561
Meat processed from carcasses	10.5	\$4,991,838
Other local government enterprises	13.9	\$3,733,162
Dairy cattle and milk production	7.3	\$2,987,378
Wholesale trade	16.7	\$2,987,017
Truck transportation	22.9	\$2,908,407

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Jackson County economy.

All Agriculture, Food, and Food Processing Sectors		
Sector	Total Employment	Total Output
Oilseed farming	22.2	\$14,973,737.72
Grain farming	36.8	\$8,545,560.84
Vegetable and melon farming	1.2	\$240,024.72
Greenhouse, nursery, and floriculture production	4.2	\$702,877.88
All other crop farming	182.1	\$9,096,331.60
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	683.6	\$49,384,147.64
Dairy cattle and milk production	7.3	\$2,987,377.64
Poultry and egg production	3.5	\$2,607,463.84
Animal production, except cattle and poultry and eggs	9.4	\$777,862.25
Commercial hunting and trapping	0.8	\$15,727.02
Support activities for agriculture and forestry	4.7	\$361,665.58
Animal, except poultry, slaughtering	152.5	\$105,366,790.77
Meat processed from carcasses	10.5	\$4,991,837.98
Bread and bakery product, except frozen, manufacturing	4.5	\$543,122.35
Frozen cakes and other pastries manufacturing	0.3	\$41,246.79
Veterinary services	18.2	\$1,508,252.86
Landscape and horticultural services	49.1	\$1,803,666.00

All 105 counties in Kansas have an IMPLAN model and an agriculture, food, and food processing contribution summary. These values do not factor in the retail environment of food sales. Food retail is important, but in order to provide the most accurate picture of what production agricultural and processing contributes to Jackson County, the retail sector was omitted.